

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A network router comprising:

at least one generic router configured to route data between input devices and output devices;

a memory unit configured to store a configuration file including ~~parameters of~~ a given set of routings between said input devices and output devices; and

said memory unit further configured to store a routing table, wherein the generic router is further configured to load a subset of the given set of routings from said configuration file into said routing table and to execute ~~[[the]]~~ routings between said input devices and output devices according to the ~~configuration file~~ load routings loaded into said routing table.

Claim 2 (Previously Presented): The network router according to the claim 1, wherein said subset of routings is specific to a given need.

Claim 3 (Previously Presented): The network router according to the claim 2, wherein said generic router is configured to activate said input devices and output devices dedicated to an application at start-up and to load said routing table at start-up.

Claim 4 (Previously Presented): The network router according to any one of the preceding claims, wherein data processing functions are associated with said subset of routings, these functions being defined in said configuration file and loaded into said routing table.

Claim 5 (Previously Presented): The network router according to the claim 4, wherein a message received by a given input device is processed by a first function associated with the input device, then routed according to said routing table to a designated output device, then processed by a second function associated with the output device.

Claim 6 (Previously Presented): The network router as in any one of claims 1, 2, and 3, further comprising:

- an operating system;
- input and output software layers; and
- an intermediate software layer providing a link between said operating system, said input and output layers, and said generic router.

Claim 7 (Previously Presented): The network router as in any one of Claims 1, 2, and 3, wherein said input devices and output devices are connected to one of a serial X25 link, BSC link, asynchronous link, HDLC link, UDP Ethernet link, and TCP Ethernet link.

Claim 8 (Previously Presented): The network router as in any one of claim 1, 2, and 3, wherein messages received by the generic router are routed in a given sequence, and said generic router includes a function dedicated to capacity overflow management, the function rejects recently received messages until the overflow situation is resolved, in order that the messages are routed in their sequential order without loss of any message within a routed sequence.

Claim 9 (Previously Presented): The network router as in any one of claims 1, 2, and 3, wherein the generic router includes a function dedicated to capacity overflow management,

the function rejects older data in favor of recent data, and the recent data is routed to the output device.

Claim 10 (Previously Presented): The network router as in any one of claims 1, 2, and 3, wherein the generic router includes a function dedicated to capacity overflow management, the function reduces data rate on the route and sends a message to a data source requesting the data source to stop sending messages to enable an overflow situation to be resolved.

Claim 11 (Previously Presented): The network router as in any one of claims 1, 2, and 3, wherein said routed data relates to an air traffic control application.

Claim 12 (Previously Presented): The network router as in any one of claims 1, 2, and 3, wherein said routed data is radar data.

Claim 13 (Previously Presented): The network router as in any one of claims 1, 2, and 3, wherein said routed data is meteorological data.

Claim 14 (Previously Presented): The network router as in any one of claims 1, 2, and 3, wherein said routed data is flight plan data.

Claim 15 (Currently Amended): A method of routing data comprising steps of:
routing data between input devices and output devices;
storing a configuration file including ~~parameters of~~ a given set of routings between said input devices and output devices;

loading a subset of the given set of routings from the configuration file into a routing table; and

executing ~~[[the]]~~ routings between said input devices and output devices according to ~~the configuration file loaded~~ routings loaded into said routing table.